



THE
SPRAY NOZZLE
PEOPLE

MAXIPASS®L

Low Flow
Max. Free Passage



FULL CONE

DESIGN FEATURES

- ✓ 1/8" and 1/4" connection sizes
- ✓ Ultimate clog-resistant design, with the largest free passage available in an axial, full-cone nozzle
- ✓ Unique, S-shaped internal vanes allow free passage of particles
- ✓ High-energy efficiency
- ✓ Easily handles dirty, contaminated liquids
- ✓ Male connections
- ✓ Nozzle body available in brass, 303 ss and 316 ss
- ✓ Vanes are 316 ss for optimum wear and corrosion resistance

SPRAY CHARACTERISTICS

- ✓ High reliability spray performance under the most difficult conditions
- ✓ Uniform spray distribution
- ✓ Spray pattern: Full Cone
- ✓ Spray angles: Narrow (N), Medium (M), Wide (W)
- ✓ Flow rates: 0.44 to 7.94 L/min



The MPL nozzle is a low flow rate, full cone nozzle and the ultimate clog-resistant nozzle. It produces uniform spray distribution with a relatively coarse atomisation. The MPL is used in a wide range of applications including:

Parts Cooling
Deluge Cooling
Fluid Distribution
Foam Control
And many more.

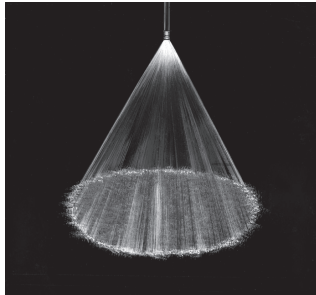
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www.spray-nozzle.co.uk

The Go-to People for spray nozzle solutions



Wide(W)



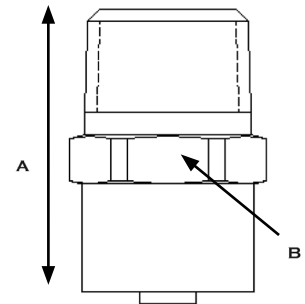
Narrow(N)



Medium(M)



Cutaway view



MPL Spray Angle and Dimensions

Dimensions and weight

Nozzle No	N spray angle	M spray angle	W spray angle	Approx. Free Passage Dia. (mm)			A	B	Wt (g)
	3 BAR	3 BAR	3 BAR	N	M	W	Length	Hex Size	
MPL0.21	51	77	129	0.94	0.91	0.91	18	11.1	9
MPL0.30	53	86	134	1.1	0.99	1.1			
MPL0.42	51	90	128	1.3	1.2	1.1			
MPL0.57	61	92	127	1.5	1.4	1.3			
MPL0.77	62	90	125	1.7	1.7	1.7	22	14.3	18
MPL1.12	60	92	124	2.2	2.1	2.1			
MPL1.51	70	97	123	2.7	2.3	2.3			

$$\text{Flow Rate (l/min)} = K (\text{bar})^{0.43}$$

MPL Flow Rates

Male Pipe Size	Nozzle Number	K Factor	Litres Per Minute @ BAR						
			0.7 BAR	1 BAR	2 BAR	3 BAR	4 BAR	5 BAR	6 BAR
1/8"	MPL0.21	0.514	0.44	0.51	0.69	0.82	0.93	1.03	1.11
	MPL0.30	0.734	0.63	0.73	0.99	1.18	1.33	1.47	1.59
	MPL0.42	1.03	0.88	1.03	1.39	1.65	1.87	2.06	2.23
	MPL0.57	1.39	1.19	1.39	1.87	2.23	2.52	2.78	3
1/4"	MPL0.77	1.88	1.61	1.88	2.53	3.02	3.41	3.76	4.06
	MPL1.12	2.74	2.35	2.74	3.69	4.39	4.97	5.47	5.92
	MPL1.51	3.69	3.17	3.69	4.97	5.92	6.7	7.37	7.97

Ask our technical sales engineers about additional products and services to optimise your spraying process.

Spray Calibration Solutions

Easy-to-use, fast measurement solutions to ensure accurate nozzle installation and maintenance, reduce water wastage and identify nozzle wear.



Spray Pattern & Droplet Distribution



Nozzle Flow Calibrators



Nozzle Cleaning Kit

Complete Spray Bars

Tailored nozzle selections and spray bar designs that integrate seamlessly with your new or existing setup.

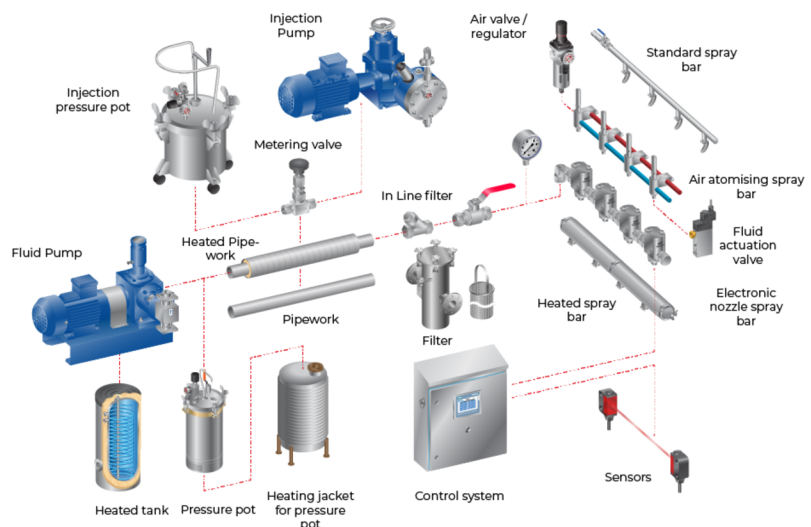
- ✓ Expert nozzle selection and placement
- ✓ Efficient spray coverage
- ✓ Fast turnaround time
- ✓ Reduced design burden
- ✓ High-quality spray bars



Complete Custom Spraying Systems

Complete spraying systems built around your goals and application.

- ✓ Tailored upstream components supplied individually or as part of complete system
- ✓ Custom pipework, pumps, tanks, sensors, valves, heating, control panels and more
- ✓ Seamless integration with existing processes
- ✓ Built to budget and ROI targets
- ✓ End-to-end support: design, install, maintain



THE GO-TO PEOPLE FOR SUCCESSFUL SPRAY ENGINEERING